

# BEST AVAILABLE COPY

Apr. 28, 2006 1:25PM INGRASSIA FISHER & LORENZ PC  
copy document view

No. 8402 P. 12  
Page 1 of 2

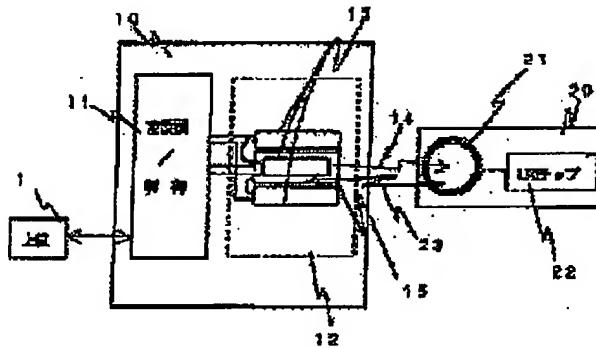
## PORATABLE RADIO INFORMATION PROCESSOR

**Patent number:** JP2001109853  
**Publication date:** 2001-04-20  
**Inventor:** OURA SEIJI  
**Applicant:** TOKYO SHIBAURA ELECTRIC CO  
**Classification:**  
- international: G06K7/10; G06K17/00; G06K19/07; G06K7/10;  
G06K17/00; G06K19/07; (IPC1-7): G06K17/00;  
G06K7/10; G06K19/07  
- european:  
**Application number:** JP19990286150 19991007  
**Priority number(s):** JP19990286150 19991007

[Report a data error here](#)

### Abstract of JP2001109853

**PROBLEM TO BE SOLVED:** To provide a portable radio information processor which can stably read and write information. **SOLUTION:** An antenna part 12 is composed of a receiving antenna 15 formed of a single rectangular looped antenna and transmitting antennas (13a, 13b, and 13c) formed of three rectangular looped antennas. One of the transmitting antennas 13a is arranged inside the receiving antenna 15 and the transmitting antennas 13b and 13c are arranged adjacently outside the receiving antenna 15 so that the antenna 15 is interposed between them. The three transmitting antennas 13 (13a, 13b, and 13c) are connected in series and have the same winding direction.



Data supplied from the [esp@cenet](mailto:esp@cenet) database - Worldwide